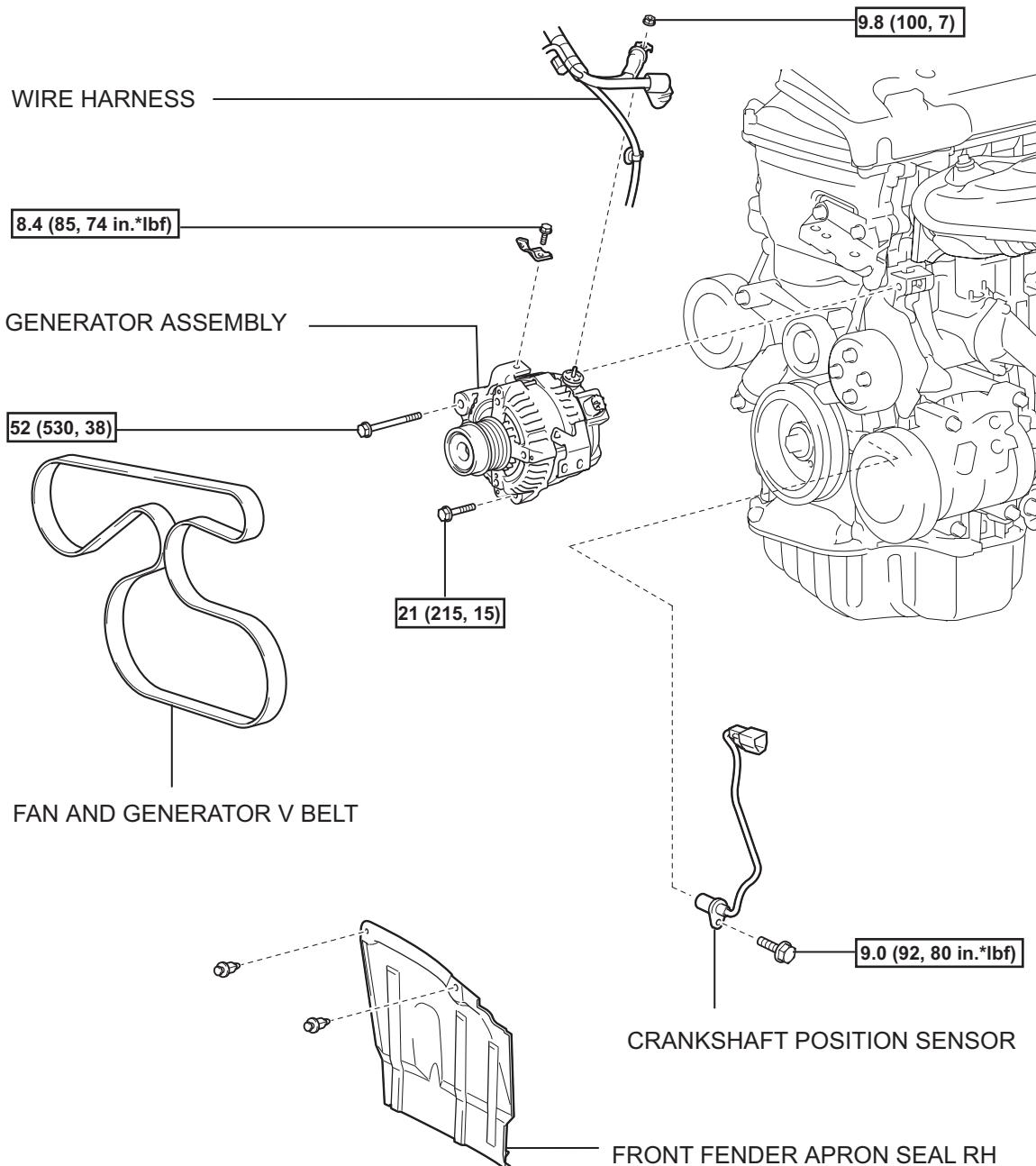


CRANKSHAFT POSITION SENSOR

COMPONENTS



N*m (kgf*cm, ft.*lbf) : Specified torque

REMOVAL

1. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

CAUTION:

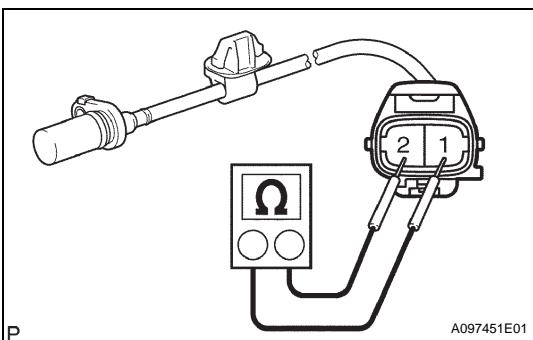
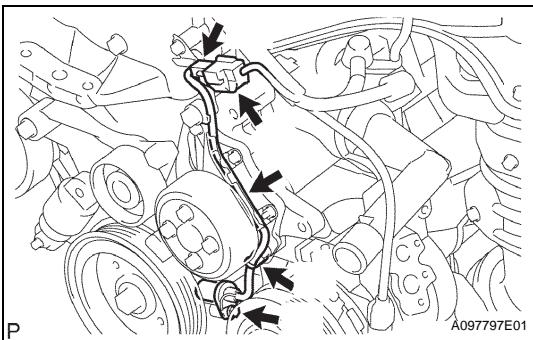
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

2. REMOVE GENERATOR ASSEMBLY

- (a) Remove the generator assembly from the vehicle (see page CH-9).

3. REMOVE CRANKSHAFT POSITION SENSOR

- (a) Disconnect the sensor connector.
- (b) Remove the connector clamp.
- (c) Remove the wire harness from the wire harness clamp bracket.
- (d) Remove the wire harness clamp.
- (e) Remove the bolt and sensor.



INSPECTION

1. INSPECT CRANKSHAFT POSITION SENSOR

- (a) Measure the resistance of the sensor.

Standard resistance

Tester Connection	Specified Condition
1 (NE+) - 2 (NE-)	985 to 1,600 Ω at Cold
1 (NE+) - 2 (NE-)	1,265 to 1,890 Ω at Hot

NOTICE:

Cold and Hot mean the temperature of the coils themselves. Cold is from -10 to 50°C (14 to 122°F) and Hot is from 50 to 100°C (122 to 212°F).

If the result is not as specified, replace the crankshaft position sensor.

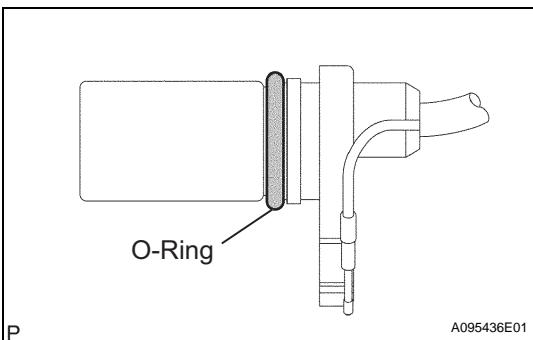
INSTALLATION

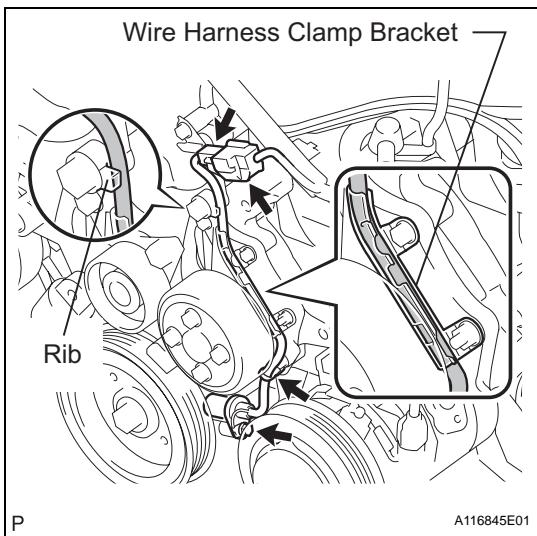
1. INSTALL CRANKSHAFT POSITION SENSOR

NOTICE:

Make sure that the O-ring is not cracked or jammed when installing it.

- (a) Apply a light coat of engine oil to the O-ring of the sensor.





- (b) Install the sensor with the bolt.
Torque: 9.0 N*m (90 kgf*cm, 80 in.*lbf)
- (c) Install the wire harness clamp.
- (d) Install the connector clamp.
- (e) Connect the sensor connector.
- (f) Confirm that the wire harness of the sensor is secured to the wire harness clamp bracket through the back of the rib of the timing chain cover.

2. INSTALL GENERATOR ASSEMBLY

- (a) Install the generator to the vehicle (see page CH-15).

3. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

4. CHECK FOR ENGINE OIL LEAKAGE

ES